

STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL
AIR POLLUTION CONTROL PERMIT APPLICATION

AQM-11
Page 1 of 2

APPLICATION FOR PERMITTING AUTOBODY SHOPS

Attach any additional information (manufacturer specifications, MSDS, etc.)
Include Drawings of All Equipment. Use additional pages if necessary.

DEPARTMENT USE ONLY

Permit Number

APC-2013/0005-C10

Received Stamp

1. Name of Auto Body Shop

2. Date of Application

3. Physical Location (Street Address)

City

County

Zip Code

4. Mailing Address

City

County

Zip Code

5. Name of Owner

6. Name of Person Signing
This Application

7. Title of Person Signing
This Application

8. Telephone

9. Is a Copy of the Applicant Background Information
Questionnaire on Record at the Department? (required
for new permit applicants only)

☐ Yes

☐ No

10. Provide the make and model of the ventilated sander used at your shop. Attach a manufacturer's specification or vendor data sheet.

Ventilated Sander (MAKE)

(MODEL)

11. Provide the number of spray booths at your shop and the make and model of each spray booth.

Number of Spray Booths

1

Make/Model

VIKING CROSS PRHT

The manufacturer's specification or vendor data sheet should provide the following information at a minimum:

(1) Dimensions of the spray booth, 24 FT LONG / 14 FT WIDE / 8 FT HIGH

(2) Stack exhaust exit velocity (fps) or exhaust flow rate (acfm) from the spray booth, 12,000 / 1/2 STAIR PRHT

(3) Stack height (from grade) and diameter of the spray booth exhaust stack, 25 FT HIGH / 2 FT WIDE

(4) Removal efficiency of the filters used in the spray booth, and 95%

(5) Recommended pressure drop across the filters used in the spray booth.

(6) Distance of exhaust stack to nearest property line in feet (ft), 20

Attach a manufacturer's specification or vendor data sheet. Attach additional pages as needed.

12. Provide the number of spray guns or other coating applicators used at the shop along with the make and model of each. Attach a manufacturer's specification or vendor data sheet.

MAKE: DEV MODEL: TEKNA Tip size (mm): 1.3 Flow Rate (g/s or oz/min): 7.5

MAKE: DEV MODEL: TEKNA Tip size (mm): 1.3 Flow Rate (g/s or oz/min): 7.5

MAKE: DEV MODEL: TEKNA Tip size (mm): 1.3 Flow Rate (g/s or oz/min): 7.5

STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL
AIR POLLUTION CONTROL PERMIT APPLICATION

AQM-11
Page 2 of 2

13. Provide a list (or attach additional pages as needed) of all of the coatings, reducers, catalysts, surface preparation products, and cleanup solvents used in the shop. Attach a Material Safety Data Sheet and Certified Product Data Sheet for each material and most recent 12-month VOC usage report from your coating supplier.

Coating(s) VALSPAN 10W VOC BASE / SWIFT CLEAR 2-1 VOC

Reducer(s) 1 VBS 100 LOW VOC

Catalyst(s) 9750

Surface Preparation Product _____

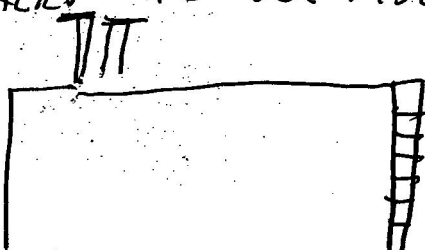
Cleanup Solvents AQUA CLEAN 170

Other _____

14. Attach a shop plot plan or diagram or draw one here describing the location of your spray booths and stacks. Include the distance to your nearest neighbor or property line (in feet).

STACKS TO OUTSIDE

20 FEET AWAY



DOOR INTO
BOOTH

I, the undersigned, hereby certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all of its attachments as to the truth, accuracy, and completeness of this information. I certify based on information and facts known after reasonable inquiry, the statements and information in this document are true, accurate, and complete. By signing this form, I certify that I have not changed, altered, or related any portions of this application. I acknowledge that I cannot commence construction, alteration, modification or initiate operation until I receive written approval (i.e. permit, registration, or exemption letter) from the Department. I acknowledge that I may be required to perform testing of the equipment to receive construction or operation approval, and that if I do not receive approval to construct or operate that I can appeal the decision.

Owner or Authorized Agent

Signature of Owner or Authorized Agent

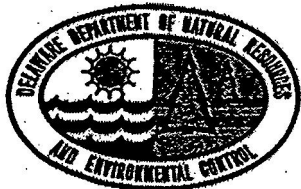
Date

Please submit this application and required fees to:

DNREC Division of Air and Waste Management

Air Quality Management
Attention: Joanna Austin
655 S. Bay Rd., Suite 5N
Dover, DE 19901

Make checks payable to: State of Delaware



DELAWARE DEPARTMENT OF NATURAL RESOURCES
AND ENVIRONMENTAL CONTROL ("DNREC")

ENVIRONMENTAL PERMIT APPLICATION
BACKGROUND STATEMENT

Pursuant to 7 Del. C. Chapter 79

FILING STATUS:

This Background Statement is being filed with DNREC because:

- ☒ 1. It is an initial application for a new permit (or permits) and the applicant or applicant company has not been issued any permits by DNREC in the previous five (5) years [See 7 Del. C. § 7902(a) and (b)];
- ☐ 2. It is required on an annual basis because the applicant or applicant company has been designated a chronic violator pursuant to 7 Del. C. § 7904 [See 7 Del. C. § 7902(a)(7) and (b)(2)]; or
- ☐ 3. It is required on an annual basis as the applicant or applicant company has been found guilty, pled guilty or no contest to any crime involving violation of environmental standards which resulted in serious physical injury or serious harm to the environment as defined in 7 Del. C. § 7902(c) [See 7 Del. C. § 7902(a)(7) and (b)(2)].

APPLICANT OR APPLICANT COMPANY'S NAME OR COMPANY'S NAME FILING STATEMENT	
DATE OF APPLICATION OR DATE OF STATEMENT	
PERMIT(S) BEING APPLIED FOR OR STATEMENT FOR FILING STATUTES 2 OR 3	<input type="checkbox"/> Permit Type(s) _____ <input type="checkbox"/> Statement for filing Statutes 2 or 3—If filing under these statuses, attach a statement of the date of designation as Chronic Violator or the date of Conviction/Plea.
OTHER DNREC PERMITS HELD	<input type="checkbox"/> N/A – No other permits held with DNREC <input type="checkbox"/> List of all DNREC permits currently held with dates of issuance and expiration attached.

ENVIRONMENTAL PERMIT APPLICATION BACKGROUND STATEMENT

Please note: Companies filing statements pursuant to Chapter 79 have the right to identify information to be afforded confidential status pursuant to 7 Del. C. § 7903(b) and the requirements set forth in Section 6, "Requests for Confidentiality" of the DNREC *Freedom of Information Act Regulation*.

PROVIDING ALL OF THE INFORMATION REQUESTED IN THIS FORM SATISFIES THE REQUIREMENTS OF 7 DEL. C. CHAPTER 79 ("ENVIRONMENTAL PERMIT APPLICATION BACKGROUND STATEMENT") UNLESS THE DELAWARE DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL ("DNREC") OR THE DELAWARE DEPARTMENT OF JUSTICE DETERMINES THAT ADDITIONAL SUBMISSIONS ARE NECESSARY. FAILURE TO PROVIDE THE INFORMATION REQUESTED OR PROVIDING ERRONEOUS INFORMATION IS GROUNDS FOR DENYING OR REVOKING AN ENVIRONMENTAL PERMIT/APPROVAL/LICENSE, AND FOR CIVIL AND/OR CRIMINAL PENALTIES.

A. (Authority - 7 Del. C. § 7902(a)(1&2) & § 7905) Attach a complete list (full names) of all current members of the applicant company's board of directors, all current corporate officers, all persons owning more than 20% of the applicant's stock or other resources, all subsidiary/affiliated companies with type of business performed, street addresses, all parent companies with addresses, all companies with which the applicant's company shares two or more members of the board of directors, and the name(s) of the person(s) serving as the applicant's local chief operating officer(s) with respect to each facility covered by the permit in question or for the statement required for filing Statutes 2 or 3. [Note: For companies that do not have a *facility* located in Delaware, no listing for the local chief operating officer(s) is required].

- ☐ Information attached
- ☐ Information attached, except for local chief operating officer as there is no facility located in the State of Delaware.

B. (Authority - 7 Del. C. § 7905) Please check one of the following selections below, showing type of ownership for the applicant or applicant/statement company:

- ☐ Proprietorship List the state, county, book record and page number where the certificate is found (Attach hereto).
- ☐ Partnership List the state, county, book record and page number where the certificate is found (Attach hereto).
- ☒ Corporation (LLCs included) List the city, state, date of incorporation, corporation file number, current corporate standing, registered agent, and address of the registered agent (Attach hereto).
- ☐ Municipality
- ☐ Public Institution/
Government Agency
- ☐ Other _____

C. " (Authority - 7 Del. C. § 7902(a)(3) & § 7905) Have any of the following been issued to or agreed to by the applicant or applicant/statement company, any employee, person, entity, or subsidiary/affiliated company, specified in response to Item A, for violation of any environmental statute, regulation, permit, license, approval, or order, regardless of the state in which it occurred, during the five years prior to the date of this application/statement

OFFENSE	YES	NO
Notice of Violation(s)		✓
Administrative Order(s)		✓
Administrative Penalty(ies)		✓
Civil Action(s)		✓
Civil Penalty(ies)		✓
Civil and/or Administrative Settlement Agreement(s)		✓
Permit/License/Approval Revocation		✓
Arrest(s)		✓
Conviction(s)		✓
Criminal Penalty(ies)		✓
Criminal Plea Bargain		✓

D. (Authority - 7 Del. C. § 7902(a)(3), (a)(4) & § 7905) If you answered "yes" to any of the actions listed in Item C above for the applicant or applicant company or any other person identified in Item A, attach a description of the incidents or events leading to the issuance of each action, regardless of the state in which it occurred, for the 5 years prior to the date of the statement, and the disposition of each action, what state the action/offense occurred in, and any actions that have been taken to correct the violations that led to such enforcement action.

☒ N/A

☐ Information attached

E. (Authority - 7 Del. C. § 7902(a)(5) & § 7905) Attach a description of any felony or other criminal conviction for a crime involving harm to the environment or violation of environmental standards of any person or entity identified in Item A above that resulted in a fine greater than \$1,000 or a sentence longer than 7 days, regardless of whether such fine or sentence was suspended.

☒ N/A

☐ Description attached

F. (Authority - 7 Del. C. § 7902(a)(6) & § 7905) Attach copies of any and all settlements of environmental claims involving the applicant, associated with actions identified in response to Item D above, whether or not such settlements were based on agreements where the applicant did not admit liability for the action.

☒ N/A

☐ Information attached

Items for Filing Statutes 2 or 3 Only

G. (Authority - 7 Del. C. § 7902(a)(7) and § 7905) If the applicant or applicant/statement company has been found guilty, pled guilty or no contest, to any crime involving violation of environmental standards which resulted in serious physical injury or serious harm to the environment attach a summary of the events involved and a copy of the disposition of the action (See 7 Del. C. § 7902(c) for definitions of "serious physical injury" or "serious harm to the environment" before answering this question.)

☒ N/A

☐ Yes – Information Attached.

H. (Authority - 7 Del. C. § 7902(a)(8)) – If the applicant or applicant/statement company has been designated a chronic violator under 7 Del. C. § 7904, a detailed written report from an independent inspector who has inspected the applicant's premises for the purpose of detecting potential safety and environmental hazards to employees and the surrounding community. The Secretary may waive the duty to submit a detailed written report upon a showing of good cause by the applicant. A showing by the applicant that the acts which caused it to be designated as a chronic violator did not jeopardize public health shall constitute "good cause" under this paragraph.

I. (Authority - 7 Del. C. § 7902(a)(7)) – If the applicant or applicant/statement company has been designated a chronic violation under § 7904 of this Title, OR has been found guilty or pled no contest to any crime involving violation of environmental standards which resulted in serious physical injury or serious harm to the environment, a statement made under oath by the applicant or applicant/statement company's local chief operating officer with respect to the facilities covered by the permit, stating that: (a) disclosures made by the applicant/reporting company under federal and state environmental statutes and regulations during the preceding calendar year have been, to the chief operating officer's knowledge, complete and accurate, and (b) that the facility has implemented policies, programs, procedures, standards or systems reasonably designated, in light of the size, scope, and nature of facility operations to detect and promptly correct any noncompliance with state environmental statutes and regulations. The statement filed pursuant to this paragraph shall include an acknowledgement by the affiant that intentionally false statements submitted in compliance with this paragraph constitute criminal perjury as defined at 11 Del. C. §§1221-1222.

STATE OF DELAWARE - DEPT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL
ENVIRONMENTAL PERMIT BACKGROUND STATEMENT

CERTIFICATION

I HEREBY CERTIFY THAT I HAVE READ THE PRECEEDING SUBMISSION, HAVE PROVIDED ALL OF THE INFORMATION REQUESTED, AND THAT ALL OF THE INFORMATION PROVIDED IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

we
SIGNATURE—APPLICANT OR
OFFICER OF APPLICANT / STATEMENT COMPANY

DATE: 8-20-12

NAME: BLAINE BAILEY

TITLE: OWNER

COMPANY
NAME: PERFORMANCE AUTO BODY & PAINT

ADDRESS: 2015 BRAD FORD ST WILMINGTON DE
19801

TELEPHONE: 302-655-6170

FAX NUMBER: 302-655-6175

REGISTERED
AGENT NAME: _____

ADDRESS: _____

TELEPHONE: _____

FAX NUMBER: _____

SWORN TO AND SUBSCRIBED

BEFORE ME THIS 30 DAY OF
August, 2012.

Enid Y Ortiz

NOTARY PUBLIC SIGNATURE (SEAL)

Enid Y Ortiz

PRINTED NAME OF NOTARY PUBLIC

STATE OF Delaware / New Castle
STATE / COUNTY County

MY COMMISSION EXPIRES ON ENID Y. ORTIZ
NOTARY PUBLIC

STATE OF DELAWARE

My commission expires Aug. 15, 2015

McMenamin
AUTO PAINT & SUPPLY

INDUSTRIAL AND AUTOMOTIVE PAINTS

McMenamin

Matt matt@mcautopaint.com

Cell 302-545-4391

49A Germay Drive

Wilmington, DE 19804

Store 302-543-4507

Fax 302-394 8541

Solvent Recycling

Pollution Prevention in Auto Body and Paint Shops, September, 2006

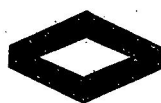
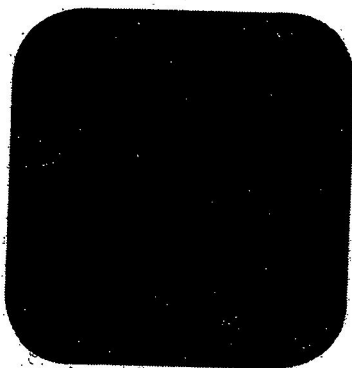


DEPARTMENT OF TOXIC
SUBSTANCES CONTROL

Automotive refinishing shops use a significant amount of paint thinner and solvent for spray gun cleaning. Used solvent combined with paint waste is often the largest waste stream in the shop and is managed by shipping it to an off-site recycling facility or by recycling the waste on-site. In both on-site and off-site recycling, waste solvent is distilled to separate and reclaim solvent from the waste paint and solvent mixture. Recycling solvent on-site may help shops reduce regulatory requirements and future liability, and save money.

On-Site Recycling

Shops that use on-site solvent recycling systems have gained significant savings from reduced material and waste disposal costs. Shops have reduced solvent purchases by as much as 80% by recycling on-site. Various kinds of recycling equipment are available. Some units are integrated with a paint gun cleaner where the recycled solvent is transferred back to the cleaning unit without pouring or handling. Evaluate your specific needs before selecting a distillation unit.



Check with local agencies before you invest in an on-site recycler

On-site recycling may not be an option for your shop if the reclaimed solvent has a higher Volatile Organic Compound (VOC) content than is allowed for paint gun cleaning in your air district. If you recycle solvent on-site, the reclaimed solvent should be used only for paint spray gun cleaning. Avoid using reclaimed solvents for other purposes, such as degreasing or parts cleaning. Those activities are subject to air districts' solvent cleaning regulations that may have lower VOC limits than those for paint gun cleaning.

Make sure the unit is compliant with the Uniform Fire Code. Local fire departments may have additional restrictions for on-site solvent recyclers.

Off-Site Recycling

If you ship solvent waste off-site, look for a facility that processes waste solvent and returns clean solvent to you. If that kind of facility is not available in your area, look for one that recycles for reuse as cleaning or other solvent, not fuel. Choose a recycler or hazardous waste management facility that is permitted by Department of Toxic Substances Control (DTSC) and check their compliance history.

Consider the following when evaluating recycling options:

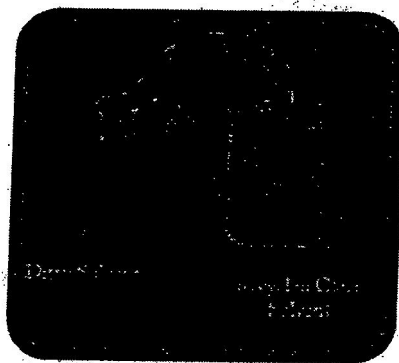
Solvent Recycling Options	On-site Solvent Distillation	Off-site Solvent Recycling Service
Cost	\$2,500 to \$6,000 capital cost \$3,400 per year O&M and HW disposal	\$18,000 per year for off-site recycling
Recycled product quality	Mixture of cleaning solvent and paint residues depends on input	Recycled product composition should be known, but may include unknown contaminants depending on input sources
Hazardous waste storage, handling, and disposal concerns	Owner responsible for properly managing still bottoms and unusable waste solvent; and for proper on-site storage and spill prevention.	Owner is responsible for proper waste storage, using a registered hazardous waste transporter and permitted recycling facility.
Fire and explosion safety concerns	Distillation can heat solvent creating potential fire hazard	Safe storage on site until picked up
Regulatory concerns	Reclaimed solvents may exceed air district limitations on VOC content in gun cleaning solvents. Some local CUPAs and Fire Departments may not allow the use of on-site recyclers.	Off-site recyclers are responsible for obtaining all necessary permits and maintaining regulatory compliance at their facility.
End use concerns	The recycled product for spray gun cleaning. Recycled solvent that is not used on site is subject to hazardous waste regulations	Some off-site facilities create fuel instead of cleaning solvent as an end product. Look for a recycler that produces recycled cleaning solvent



Vendor Contact Information

While the table below provides the names of some vendors, other vendors may provide similar or identical products and services. Mention of trade names, products, or services does not convey, and should not be interpreted as conveying any government approval, endorsement, or recommendation.

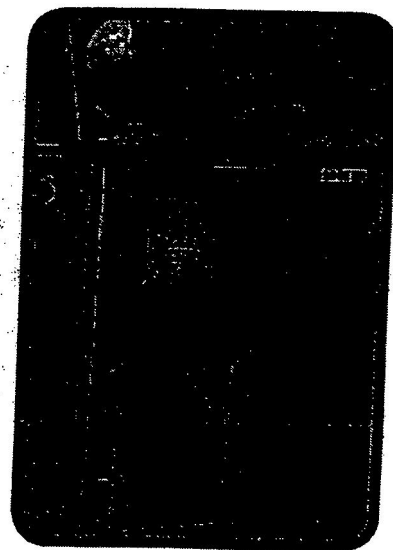
Vendor/ Manufacturer	Website	Telephone	Products
Beca	http://www.becastatic.com	800-655-3649	Solvent recycler and combination spray gun cleaner/recycler
Sidewinder	http://www.solvent-recycler.com/	702-362-9432	Solvent recycler
Herkules	http://www.herkulosequipment.com/	800-444-4351	Paint spray gun washers
Onsite Recycling Services	http://onsiterecyclingservices.com/	651-247-7414	Recycler, recycling gun washer
Safety Kleen	http://www.safetyskleen.com	800-669-5740	Recycler, recycling gun washer, automatic spray gun washer
System One	http://systemonetechnologies.com	800-711-1414	Combination spray gun cleaner/recycler
Unicom	http://unicom.com/products.html	800-554-4351	Solvent recycler and combination spray gun cleaner/recycler



Hazardous Waste Regulatory Requirements

For information on regulatory requirements contact your local CUPA online at

http://www.dtsc.ca.gov/InformationResources/local_contacts.cfm
or contact the Department of Toxic Substances Control (DTSC) at
(800) 728-6942,
http://www.dtsc.ca.gov/ContactDTSC/duty_officers.cfm

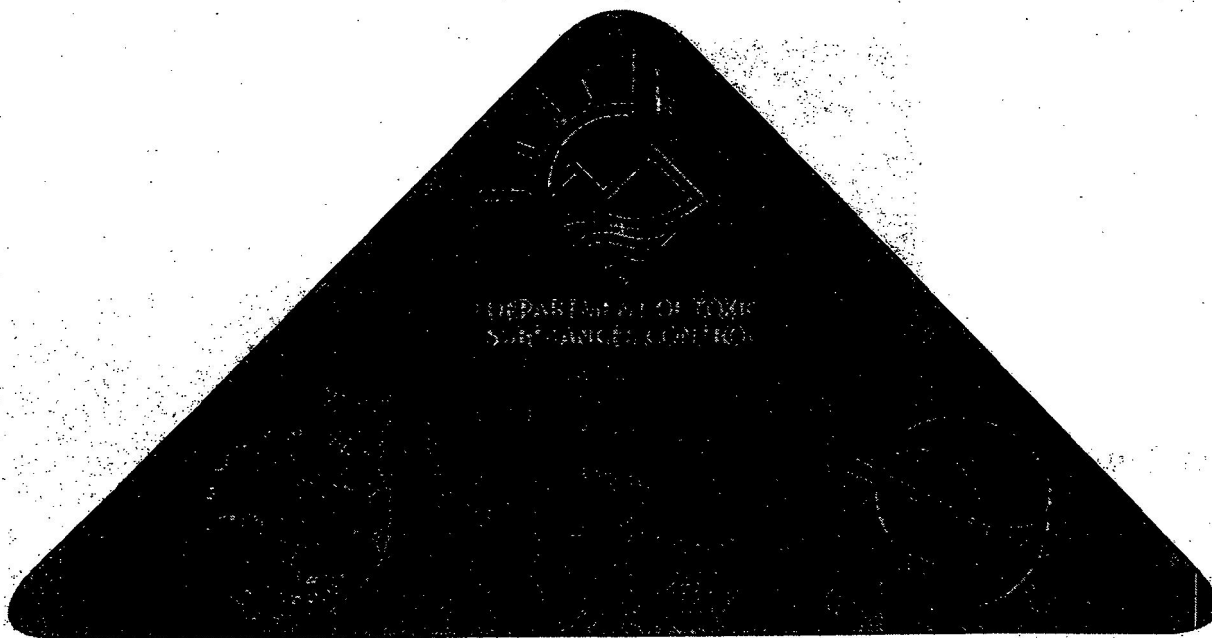


To Get An EPA Id Number, Contact:

DTSC
Generator Information Services Unit
(916) 255-1136
(800) 618-6942

For additional information on auto body and paint shop pollution prevention practices and a list of available publications contact:

DTSC
Office of Pollution Prevention and Technology Development
P.O. Box 806
Sacramento, CA 95812-0806
(916) 322-3670
(800) 700-5854
<http://www.dtsc.ca.gov/PollutionPrevention/index.cfm>



Printed on recycled paper with at least 15 percent content recycled by consumers.



GTI® HIGH VOLUME LOW PRESSURE GRAVITY FEED SPRAY GUN

#2000 Millennium Air Cap PSI / CFM Information

INLET PRESSURE at handle of gun (PSI)	CAP PRESSURE fan fully open (PSI)	CFM FLOW (CFM)
8	2	7.5
14.5	4	10.5
20	6	12.5
24.5	8	14.5
30	10	15.5

IMPORTANT: Before using this equipment, read all safety precautions and instructions. Keep for future use.

DESCRIPTION

The high volume low pressure gravity feed GTI gun is designed to apply a wide variety of finishing materials. This gun was manufactured to provide a maximum transfer efficiency by limiting air cap pressure to 10 psi (complies with rules issued by SCAQMD and other air quality authorities).

This gun will produce approximately 10 psi air cap pressure at 30 psi gun inlet pressure. An air cap test kit is available (see Accessories) which can be utilized to set the exact air cap pressure. Air consumption for this gun (with #2000 cap) is 15.5 scfm at 10 psi air cap pressure.

NOTE

This gun includes 400 series stainless steel fluid tip and needle. The fluid passageway is plated aluminum. Guns may be used with chlorinated solvent materials only if the attached gravity cup is Delrin or Nylon. **Do not use aluminum cups with chlorinated solvent materials.**

Important: This gun may be used with most common coating and finishing materials. It is designed for use with mildly corrosive and non-abrasive materials. If used with other high corrosive or abrasive materials, it must be expected that frequent and thorough cleaning will be required and the necessity for replacement of parts will be increased.

INSTALLATION

For maximum transfer efficiency, do not use more pressure than is necessary to atomize the material being applied.

1. Connect the gun to a clean, moisture and oil free air supply using a hose size of at least 5/16" I.D. hose. Do not use 1/4" I.D. hose (25' x 1/4" hose at 18 CFM has a pressure loss of 25 psi. 25' x 5/16" hose at 18 CFM has a pressure loss of 8 psi).

NOTE

Depending on hose length, larger I.D. hose may be required. Install an HAV-511 air gauge at the gun handle and air cap test kit over tip. When gun is triggered on, adjust regulated pressure to desired setting to provide a maximum of 10 psi at the air cap. **Do not use more pressure than is necessary to atomize the material being applied.** Excess pressure will create additional overspray and reduce transfer efficiency.

NOTE

If quick connects are required, use only high flow quick connects approved for HVLP use such as DeVilbiss HC-4419 and HC-4719. Other types will not flow enough air for proper gun operation.

NOTE

If an air adjusting valve is used at the gun inlet, use DeVilbiss Model HAV-500 or HAV-511. Some competitive adjusting valves have significant pressure drop that can adversely affect spray performance. Models HAV-500 and HAV-511 have minimal pressure drop, which is important for HVLP spraying.

2. Attach the gravity feed cup to the material inlet.

NOTE

Protective coating and rust inhibitors have been used to keep the gun in good condition prior to shipment. Before using the gun, flush it with solvents so that these materials will be removed from fluid passages.

OPERATION

Mix, prepare and strain the material to be sprayed according to the paint manufacturer's instructions.

Strain material through a 60 or 90 mesh screen.

1. Fill the gravity feed cup with the material. Do not overfill. Make sure that the cup lid vent hole is clear.
2. Open the spreader adjustment valve (10) (Fan) by turning the valve stem counterclockwise.
3. Close the fluid needle adjusting screw (17) by turning clockwise.
4. Turn on air supply and set gun inlet pressure to lowest recommended pressure for material being sprayed. Best atomization will occur with 10 psig air cap pressure. However, some materials can be sprayed at lower pressures, improving transfer efficiency.
5. Spray a test area by turning fluid needle adjusting screw (17) counterclockwise until a full coat is obtained.

If the finish is too sandy and dry, the material flow may be too low for the atomization air pressure being used.

If the finish sags, there is too much material flowing for the atomization air pressure being used.

Both of the above can be corrected by increasing or decreasing the atomization air pressure or the material flow. Pattern width can be altered by turning spreader adjustment valve (10), either clockwise to decrease the width or counterclockwise to increase the width.

See Spray Gun Guide, SB-2-001 latest revision, for details concerning setup of spray guns.

PREVENTIVE MAINTENANCE

To clean air cap and fluid tip, brush exterior with a stiff bristle brush. If necessary to clean cap holes, use a broom straw or toothpick if possible. If a wire or hard instrument is used, extreme care must be used to prevent scratching or burring of the holes which will cause a distorted spray pattern.

(Continued on page 3)

To clean fluid passages, remove excess material from cup, then flush with a suitable solvent. Wipe gun exterior with a solvent dampened cloth. Never completely immerse in solvent as this is detrimental to the lubricants and packings.

NOTE

When replacing the fluid tip or fluid needle, replace both at the same time. Using worn parts can cause fluid leakage. See Chart 1. Also, replace the needle packing at this time. Lightly lubricate the threads of the fluid tip before reassembling. Torque to 15-20 ft. lbs. Do not overtighten the fluid tip.

CAUTION

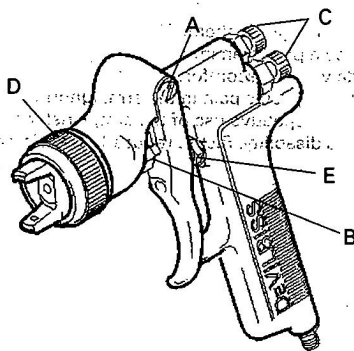
To prevent damage to fluid tip (5) or fluid needle (11), be sure to either 1) pull the trigger and hold while tightening or loosening the fluid tip, or 2) remove fluid needle adjusting screw (17) to relieve spring pressure against needle collar.

SPRAY GUN LUBRICATION

Daily, apply a drop of SSL-10* spray gun lube at trigger bearing stud (28) and the stem of air valve (20) where it enters air valve assembly. The shank of fluid needle (11) where it enters packing nut (9) should also be oiled. Fluid needle packing (8) should be lubricated periodically. Make sure baffle (6) and retaining ring (3) threads are clean and free of foreign matter. Before assembling retaining ring to baffle, clean the threads thoroughly, then add two drops of SSL-10 spray gun lube to threads. Fluid needle spring (14) and air valve spring (19) should be coated with a very light grease, making sure that any excess grease will not clog the air passages. For best results, lubricate the points indicated, daily.

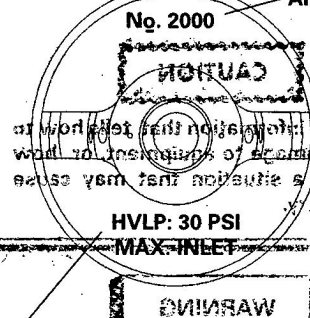
* Not for air tools or high RPM equipment.

- A. Trigger Points
- B. Packing
- C. Adjusting Knobs
- D. Baffle Threads
- E. Air Valve Cartridge



PARTS REPLACEMENT

Figure 1 Air Cap



Maximum air pressure required to assure compliance is 40 PSI. Maximum pressure at Cap Pressure - this reading must be taken at the spray gun handle inlet fitting.

Air cap covered by U.S.A. Patent No. 6,293,476

JGA-4035 Packing Replacement Instructions

1. Remove adjusting knob and needle spring from gun.
2. Partially withdraw needle from gun body.
3. Loosen packing nut and remove.
4. Remove old packing.
5. Assemble packing nut to needle.
6. Assemble packing in order shown to needle.
7. Insert needle all the way into gun body seating in tip.
8. Install needle spring and adjusting knob.
9. Thread packing nut into gun body.
10. Tighten packing nut in equal increments - no more than 1/6 turn at a time.
11. After each adjustment, pull needle open and observe needle closure.
12. If needle snaps shut, continue adjusting nut until there is evidence of needle bind or slow closing.
13. Back off packing nut 1/12 turn to the point where needle snaps shut. Packing nut must remain tight enough to prevent loosening by hand.
14. Pull needle several times to verify needle snaps shut and check packing nut for looseness.

Chart 1

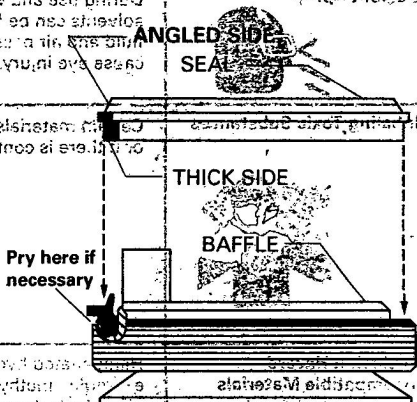
Fluid Tip No.	Tip Size I.D. in.
GTI-213-12	0.047
GTI-213-13	0.051
GTI-213-14	0.055
GTI-213-15	0.059
GTI-213-16	0.063
GTI-213-18	0.070

GTI-33 Baffle Seal Replacement

1. Remove Fluid Tip (5).
2. Remove Baffle (6).
3. Remove Seal (7) from baffle.

NOTE

The seal is designed to be a tight fit on the baffle. The seal should be able to be removed using your fingers. If you are unable to remove the seal using your fingers, insert a small screwdriver between the outer lip and the back of the baffle and pry the seal off.



4. Assemble seal to baffle with angled side up as shown above. NOTE: The seal should be a tight fit on the baffle. If it is a loose fit on the baffle, assure that it is assembled with the angled side up.
5. Install baffle on gun.
6. Install fluid tip (5) and tighten to 15-20 ft. lbs.

TROUBLESHOOTING (continued)

CONDITION	CAUSE	CORRECTION
Fluid dripping or leaking from bottom of cup	Cup loose on gun. Cup gasket worn or missing below cup. Cup threads dirty.	Tighten. Replace cup gasket. Clean.
Runs and sags	Too much material flow. Material too thin. Gun tilted on an angle, or gun motion too slow.	Adjust gun or reduce fluid flow. Mix properly or apply light coats. Hold gun at right angle to work and adapt to proper gun technique.
Thin, sandy coarse finish drying before it flows out	Gun too far from surface. Too much air pressure. Improper thinner being used.	Check distance. Normally approx. 8". Reduce air pressure and check spray pattern. Follow paint manufacturer's mixing instrs.
Thick, dimpled finish "orange peel"	Gun too close to surface.	Check distance. Normally approx. 8".
	Air pressure too low. Improper thinner being used. Material not properly mixed. Surface rough, oily, dirty.	Too much material coarsely atomized. Increase air pressure or reduce fluid flow. Follow paint manufacturer's mixing instrs. Follow paint manufacturer's mixing instrs. Properly clean and prepare.

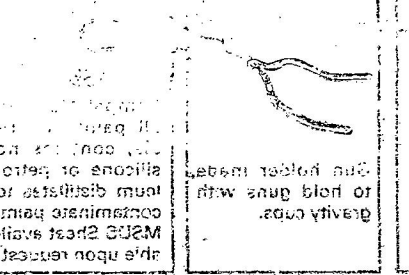


Diagram illustrating the spray gun setup and the resulting spray pattern. The spray gun is shown with a cup attached, and the spray pattern is depicted as a fan shape. The cup is labeled 'Cup' and the spray gun is labeled 'Spray Gun'.

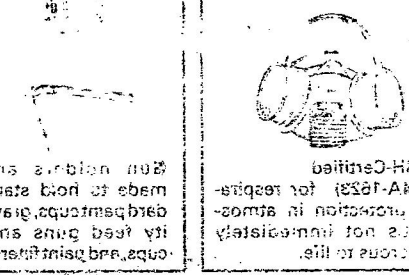


Diagram illustrating the spray gun setup and the resulting spray pattern. The spray gun is shown with a cup attached, and the spray pattern is depicted as a fan shape. The cup is labeled 'Cup' and the spray gun is labeled 'Spray Gun'.

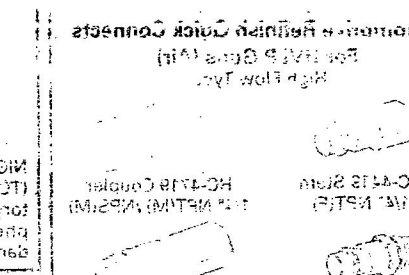


Diagram illustrating the spray gun setup and the resulting spray pattern. The spray gun is shown with a cup attached, and the spray pattern is depicted as a fan shape. The cup is labeled 'Cup' and the spray gun is labeled 'Spray Gun'.

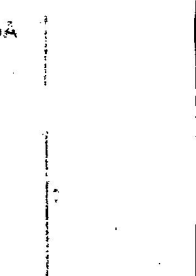


Diagram illustrating the spray gun setup and the resulting spray pattern. The spray gun is shown with a cup attached, and the spray pattern is depicted as a fan shape. The cup is labeled 'Cup' and the spray gun is labeled 'Spray Gun'.

VOC Usage

Grouped By Customer Location

9/7/2012

Date Range: 1/1/2011 - 8/31/2012

8:06 am

Item Code	Item Description	UOM	Quantity	VOC lbs	Gallons Total	VOC Total lbs	% per Cust
Customer Location: 1 - McMenamin Auto Paint And Supply							
Customer: PERFORMANCE AUTOBODY - 1001 Phone: (302)655-6170							
Ship To: PERFORMANCE AUTOBODY - 1001 Phone: (302)655-6170							
VOC Class: Unspecified							
Manufacturer: DeBeer							
Line: Refinish Products							
1151.G00	Uni Thinner Standard	GL	1.00	1.99	1.00	1.99	4.7%
80121.G01	HS Production Clear Coat	GL	2.00	0.17	2.00	0.35	0.8%
Total for Line: Refinish Products					3.00	2.34	
Total for Manu: DeBeer					3.00	2.34	
Manufacturer: Valspar Refinish							
Line:							
170.0009980.G17	Legacy Swift Clear 2.1 VOC	GL	23.00	0.13	23.00	3.04	7.1%
173HP.G01	HIGH PERFORMANCE REDUCER-SLOW	GL	2.00	2.07	2.00	4.14	9.7%
LVBR100.G01	LOW VOC BASECOAT BINDER	GL	20.00	0.01	20.00	0.12	0.3%
Total for Line:					45.00	7.31	
Line: Refinish Products							
170.0009730.Q00	Fast Urethane Activator	QT	7.00	0.22	1.75	1.51	3.5%
170.0009740.Q00	Medium Urethane Activator	QT	2.00	0.22	0.50	0.44	1.0%
170.0009750.Q00	Slow Urethane Activator	QT	16.00	0.21	4.00	3.44	8.0%
170.0009960.G17	Champion Clear 2.1 VOC	GL	1.00	0.08	1.00	0.08	0.2%
170.G06	AquaClean Low VOC Waterbase	GL	2.00	0.05	2.00	0.10	0.2%
171.G00	Fast Urethane Reducer	GL	4.00	1.93	4.00	7.71	18.0%
172.Q00	Medium Urethane Reducer	QT	1.00	0.50	0.25	0.50	1.2%
173.G00	Slow Urethane Reducers	GL	1.00	2.07	1.00	2.07	4.8%
FX01.Q01	Effect Additive	QT	0.00	0.40	0.00	0.00	0.0%
HPC0.Q00	Slow Activator	QT	1.00	0.21	0.25	0.21	0.5%
HPC1.HP0	Standard Activator	HPT	3.00	0.05	0.19	0.16	0.4%
HPC1.Q00	Standard Activator	QT	7.00	0.22	1.75	1.52	3.5%
HPC2.Q00	Fast Activator	QT	13.00	0.22	3.25	2.80	6.6%
K100.Q01	SUPER JET BLACK	QT	2.00	0.29	0.50	0.58	1.4%
K54.Q01	Black	QT	1.00	0.30	0.25	0.30	0.7%
K73.Q01	Jet Black	QT	8.00	0.31	2.00	2.46	5.8%
L86.Q01	Carbizol Violet	QT	1.00	0.30	0.25	0.30	0.7%
L90.Q01	NEUTRAL BLUE II	QT	1.00	0.31	0.25	0.31	0.7%
P02.B07	Blue	150GR	1.00	0.02	0.04	0.02	0.1%
P21.B08	Radiant Red (New Size)	75GR	2.00	0.01	0.04	0.03	0.1%
R101.Q01	Fast Maroon	QT	3.00	0.28	0.75	0.85	2.0%
R66.Q01	Magenta	QT	1.00	0.27	0.25	0.27	0.6%
R81.Q01	Quindo Violet	QT	2.00	0.28	0.50	0.57	1.3%
S105.Q01	Metallic #8 "Fine Bright Aluminum"	QT	7.00	0.29	1.75	2.03	4.7%
S57.Q01	Metallic #1 "Fine Aluminum"	QT	1.00	0.29	0.25	0.29	0.7%
S65.Q01	Metallic #3 "Coarse Aluminum"	QT	1.00	0.29	0.25	0.29	0.7%
S99.Q01	Metallic #5 "Bright Coarse Aluminum"	QT	7.00	0.29	1.75	2.06	4.8%
W51.G02	White	GL	2.00	0.97	2.00	1.94	4.5%
W95.Q01	Micro White	QT	1.00	0.29	0.25	0.29	0.7%
Total for Line: Refinish Products					31.02	33.11	
Total for Manu: Valspar Refinish					76.02	40.42	
Total for VOC Class: Unspecified					79.02	42.76	100.0%
Total for Ship To: PERFORMANCE AUTOBODY - 1001					79.02	42.76	100.0%

McMenamin Auto Paint and Supply

Page 1 of 2

VOC Usage

Grouped By Customer Location

Date Range: 1/1/2011 - 8/31/2012

9/7/2012

8:06 am

Item Code	Item Description	UOM	Quantity	VOC lbs	Gallage Total	VOC % per Total lbs Cust
Total for Cust: PERFORMANCE AUTOBODY - 1001					79.02	42.76 100.0%
Total for Location: 1 - McMenamin Auto Paint And Supply					79.02	42.76
Grand VOC Total:					79.02	42.76

Filters:

No Customer Location Specified

No Transaction Location Specified

Customer: PERFORMANCE AUTOBODY - 1001

No Ship To Specified

No Item Type Specified

No Item Specified

No VOC Class Specified

No Manufacturer Specified

No Product Line Specified

No Item Attributes Specified

No Customer Salesman Specified

No Customer Type Specified

No Product Group Specified

Vendor: Valspar Corporation

No Attributes Specified

Records Returned: 34